

# Tubing for Industrial/Commercial Applications

RathGibson has set the standard for a wide range of industrial and commercial applications by:

- Manufacturing from the finest quality material
- Maintaining award-winning technical support and service
- Manufacturing outstanding welded, welded and drawn, and seamless stainless steel and nickel tubing in straight lengths and coil
- Servicing a diverse group of industries:
  - Chemical Process
  - Petrochemical
  - Oil and Gas
  - Power Generation

**ISO 9001:2008**  
REGISTERED

**PED 97/23/EC**  
APPROVED



make the connection

# Industries Trust RathGibson

A variety of companies trust RathGibson's tubing. Our internal specifications meet and often exceed the requirements set forth by ASTM and ASME standards.

## Mechanical Testing (as per RathGibson standards and ASTM/ASME A213/SA213, A249/SA249, A269, and A312/SA312).

- Reverse Bend
- Flattening
- Flare
- Flange
- Eddy Current
- Hydrostatic\*
- Air Under Water\*

\* Tests upon request

## Annealing:

Bright annealed and rapidly quenched per material and specification requirements.

## Finishes:

Tubing is supplied with a bright annealed finish. Each tube is marked with size, wall thickness, ASTM/ASME specifications, alloy, heat number, and RathGibson's mill operator's initials for complete traceability.

## Other Alloys Available

### Stainless Steels:

- 321/321H
- 347/347H

### Duplex Stainless Steels:

- Duplex 2205
- Lean Duplex 19D
- Lean Duplex 2003
- Lean Duplex 2101
- Lean Duplex 2304
- Super Duplex 100
- Super Duplex 2507

### Nickel Alloys:

- 20
- 200/201
- 276
- 400
- 600
- 22
- 625
- 686
- 59

### Super Austenitic Stainless Steels:

- 6-Moly 6XN
- 6-Moly 254
- 825
- 800/800H
- N08811

### Ferritic Stainless Steels:

- 439
- 29-4C

The information herein was correct at the time of publication and is subject to change without notice.

© RathGibson, LLC 2011

**Lincolnshire, Illinois, USA**  
(Corporate Headquarters)  
RathGibson

**Janesville, Wisconsin, USA**  
(Sales and Manufacturing)  
RathGibson

**Vienna, Austria**  
(Sales)  
RathGibson

**Mumbai, India**  
(Sales)  
RathGibson

**North Branch, New Jersey, USA**  
(Sales and Manufacturing)  
RathGibson

**Clarksville, Arkansas, USA**  
(Manufacturing)  
Greenville Tube Company  
[www.greenvilletube.com](http://www.greenvilletube.com)

**Shanghai, China**  
(Sales)  
RathGibson

## RathGibson Tubing Alloys that Meet ASTM/ASME A213/SA213, A249/SA249, A269, and A312/SA312 Specifications

Alloy	Welded A/SA249 A269 A/SA312	Welded & Drawn A/SA249 A/SA312	Seamless A/SA213 A269 A/SA312
<b>304/304H</b>	Yes	Yes	Yes
<b>304L</b>	Yes	Yes	Yes
<b>316/316L</b>	Yes	Yes	Yes
<b>317/317L</b>	Yes	Yes	Yes
<b>309S</b>	Yes	Yes*	—
<b>310S/310H</b>	Yes	Yes*	—
<b>321</b>	Yes	Yes	Yes
<b>6-Moly</b>	Yes	Yes	—
<b>904L</b>	Yes	Yes	—

\*except A269

## Tubing Size Range

Property	Minimum	Maximum
Outer Diameter (OD), in (mm)	0.0625 (1.59)	4 (101.6)
Wall Thickness, in (mm)	0.010 (0.25)	0.225 (5.7)
Straight Lengths, ft (m)	Up to 90 (27)	
Coil Sizes, ft (km)	Up to 80,000 (24)	